

## Cagrilintide acetate

## Chemical Properties

CAS No. :

Formula: C196H316N54O61S2

Molecular Weight: 4469.06

Storage: Keep away from moisture, Keep away from direct sunlight, Store at low temperature  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Cagrilintide acetate is the salt form of Cagrilintide. Cagrilintide is a long-acting amylin analog that is used to treat type 2 diabetes and obesity by reducing appetite through activation of the amylin receptor AMY3R and calcitonin receptor CTR.
Targets(IC50)	CGRP Receptor
In vivo	<b>Methods:</b> Cagrilintide acetate (0.1, 1, 3, 10, 30 nmol/kg, subcutaneous injection, single administration) was administered to Sprague Dawley male rats to study its effect on food intake. <b>Results:</b> Cagrilintide acetate can reduce the food intake of rats. [1]

## Solubility Information

Solubility	DMSO: 80 mg/mL (17.9 mM), Sonication is recommended. H2O: 40 mg/mL (8.95 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2238 mL	1.1188 mL	2.2376 mL
5 mM	0.0448 mL	0.2238 mL	0.4475 mL
10 mM	0.0224 mL	0.1119 mL	0.2238 mL
50 mM	0.0045 mL	0.0224 mL	0.0448 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Kruse T, et al. Development of Cagrilintide, a Long-Acting Amylin Analogue. J Med Chem. 2021 Aug 12;64(15): 11183-11194.

Fletcher MM, et al. AM833 Is a Novel Agonist of Calcitonin Family G Protein-Coupled Receptors: Pharmacological Comparison with Six Selective and Nonselective Agonists. J Pharmacol Exp Ther. 2021 Jun;377(3):417-440.

Dehestani B, et al. Amylin as a Future Obesity Treatment. J Obes Metab Syndr. 2021 Dec 30;30(4):320-325.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481